

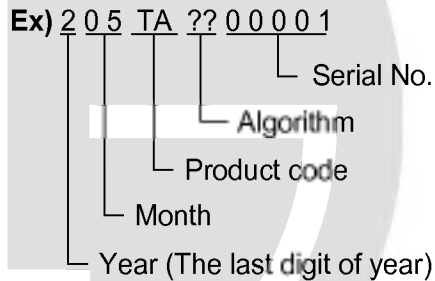


MICROWAVE OVEN

OWNER'S MANUAL

PLEASE READ THIS OWNER'S MANUAL THOROUGHLY BEFORE OPERATING.

How to read the manufactured month and year from the label stuck on the back of the product.



P/ No: 3828W5A5085

MS-3942DPZ

MS-4842DPZ

MS-3942DPB

Precautions

Precautions to avoid possible exposure to excessive microwave energy.

You cannot operate your oven with the door open due to the safety interlocks built into the door mechanism. These safety interlocks automatically switch off any cooking activity when the door is opened; which in the case of a microwave oven could result in harmful exposure to microwave energy.

It is important not to tamper with the safety interlocks.

Do not place any object between the oven front face and the door or allow food or cleaner residue to accumulate on sealing surfaces.

Do not operate your oven if it is damaged. It is particularly important that the oven door closes properly and that there is no damage to the: (1) door(bent), (2) hinges and latches (broken or loosened), (3) door seals and sealing surfaces.

Your oven should not be adjusted or repaired by anyone except qualified service personnel.

Warning

Please ensure cooking times are correctly set as over cooking may result in the FOOD catching fire and subsequent damage to your oven.

When heating liquids, e.g. soups, sauces and beverages in your microwave oven, overheating the liquid beyond boiling point can occur without evidence of bubbling. This could result in a sudden boil over of the hot liquid. To prevent this possibility the following steps should be taken:

- 1 Avoid using straight sided containers with narrow necks.
- 2 Do not overheat.
- 3 Stir the liquid before placing the container in the oven and again halfway through the heating time.
- 4 After heating, allow to stand in the oven for a short time, stir or shake them again carefully and check the temperature of them before consumption to avoid burns (especially, contents of feeding bottles and baby food jars).
Be careful when handling the container.

Warning

Always allow food to stand after being cooked by microwaves and check the temperature of them before consumption. Especially contents of feeding bottles and baby food jars.

How the Microwave Oven Works

Microwaves are a form of energy similar to radio and television waves and ordinary daylight. Normally, microwaves spread outwards as they travel through the atmosphere and disappear without effect. Microwave ovens, however, have a magnetron which is designed to make use of the energy in microwaves. Electricity, supplied to the magnetron tube, is used to create microwave energy.

These microwaves enter the cooking area through openings inside the oven. A turntable or tray is located at the bottom of the oven. Microwaves cannot pass through metal walls of the oven, but they can penetrate such materials as glass, porcelain and paper, the materials out of which microwave-safe cooking dishes are constructed.

Microwaves do not heat cookware, though cooking vessels will eventually get hot from the heat generated by the food.

A very safe appliance

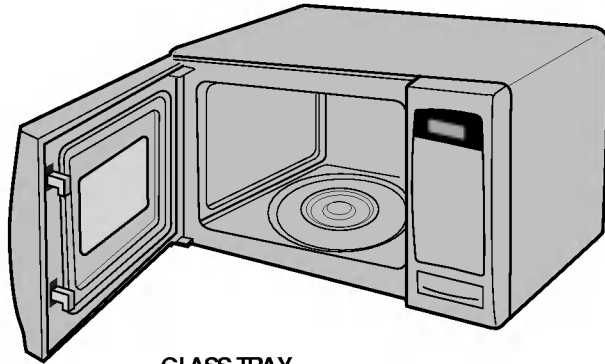
Your microwave oven is one of the safest of all home appliances. When the door is opened, the oven automatically stops producing microwaves. Microwave energy is converted completely to heat when it enters food, leaving no “left over” energy to harm you when you eat your food.

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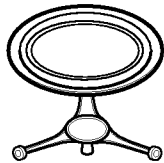
Unpacking & Installing

By following the basic steps on these two pages you will be able to quickly check that your oven is operating correctly. Please pay particular attention to the guidance on where to install your oven. When unpacking your oven make sure you remove all accessories and packing. Check to make sure that your oven has not been damaged during delivery.

- 1** Unpack your oven and place it on a flat level surface.

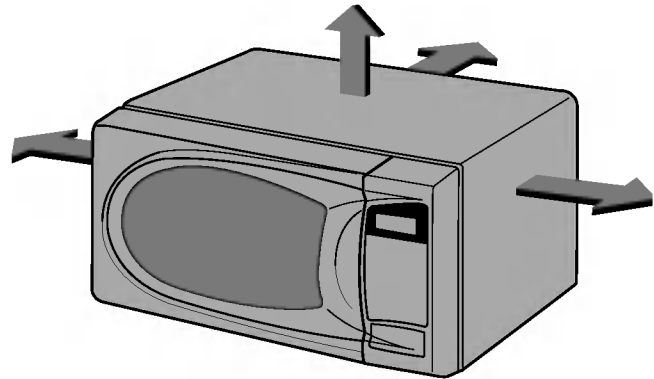


GLASS TRAY



ROTATING RING

- 2** Place the oven in the level location of your choice with more than 85cm height but make sure there is at least 30cm of space on the top and 10cm at the rear for proper ventilation. The front of the oven should be at least 8cm from the edge of the surface to prevent tipping. An exhaust outlet is located on top or side of the oven. Blocking the outlet can damage the oven.

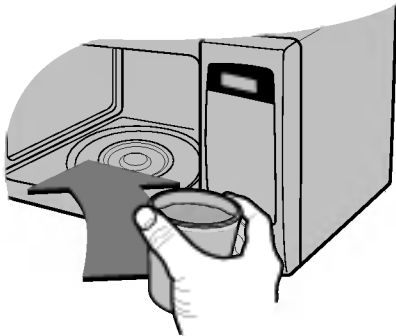


THIS OVEN SHOULD NOT BE USED FOR COMMERCIAL CATERING PURPOSES

3 Plug your oven into a standard household socket. Make sure your oven is the only appliance connected to the socket. **If your oven does not operate properly, unplug it from the electrical socket and then plug it back in.**

4 Open your oven door by pushing the **DOOR OPEN BUTTON**. Place the **ROTATING RING** inside the oven and place the **GLASS TRAY** on top.

5 Fill a **microwave safe container** with 300 ml (1/2 pint) of water. Place on the **GLASS TRAY** and close the oven door. If you have any doubts about what type of container to use please refer to page 25.



6 Press the **START** button once to set 30 seconds of cooking time. You will hear a **BEEP** when you press the button. Your oven will start when you have finished the press.



7 The **DISPLAY** will count down from 30 seconds. When it reaches 0 it will sound **BEEPS**. Open the oven door and test the temperature of the water. If your oven is operating the water should be warm. **Be careful when removing the container it may be hot.**



YOUR OVEN IS NOW INSTALLED

Setting the Clock

You can set either 12 hour clock or 24 hour clock.

In the following example I will show you how to set the time for 14:35 when using the 24 clock.

Make sure that you have removed all packaging from your oven.



When your oven is plugged in for the first time or when power resumes after a power cut, a '0' will be shown in the display; you will have to reset the clock.

If the clock (or display) shows any strange looking symbols, unplug your oven from the electrical socket and plug it back in and reset the clock.

During clock setting the colon will flash. After setting, the colon will stop flashing.

Make sure that you have correctly installed your oven as described earlier in this book.

Press **STOP/ CLEAR**.



Press **SET CLOCK** once.

(If you want to use different option, Press **SET CLOCK** once more.

If you want to change different option after setting clock, you have to unplug and plug it back in.)



Press **10 MIN** fifteen times.

Press **1 MIN** three times.

Press **10 SEC** five times.



Press **SET CLOCK** to set the time.

The clock starts counting.



Child Lock



Your oven has a safety feature that prevents accidental running of the oven. Once the child lock is set, you will be unable to use any functions and no cooking can take place. However your child can still open the oven door.

Press **STOP/ CLEAR**.



Press and hold **STOP/ CLEAR** until “L” appears on the display and BEEP sounds.

The **CHILD LOCK** is now set.

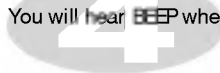
The time will disappear on the display but will reappear on the display a few seconds later.



If any button is pressed, “L” will appear on the display.



To cancel **CHILD LOCK** press and hold **STOP/ CLEAR** until “L” disappears. You will hear BEEP when it's released.



Micro Power Cooking

In the following example I will show you how to cook some food on 80% power for 5 minutes and 30 seconds.



Your oven has five microwave Power settings. High power is automatically selected but repeated presses of the **POWER** key will select a different power level.

POWER	Press POWER	%
HIGH	1 time	100%
MEDIUM HIGH	2 times	80%
MEDIUM	3 times	60%
DEFROST MEDIUM LOW	4 times	40%
LOW	5 times	20%

Make sure that you have correctly installed your oven as described earlier in this book.

Press **STOP/ CLEAR**.



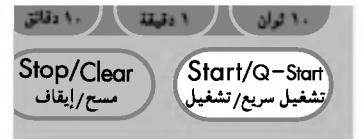
Press **POWER** twice to select 80% power. "P-80" appears on the display.



Press **1 MIN** five times.
Press **10 SEC** three times.



Press **START**.



Micro Power Level

Your microwave oven is equipped with 5 power levels to give you maximum flexibility and control over cooking. The table below shows the examples of food and their recommended cooking power levels for use with this microwave oven.

POWER LEVEL	USE	POWER LEVEL (%)	POWER OUTPUT
HIGH	<ul style="list-style-type: none"> * Boil Water * Brown minced beef * Cook poultry pieces, fish, vegetables * Cook tender cuts of meat 	100%	900W
MEDIUM HIGH	<ul style="list-style-type: none"> * All reheating * Roast meat and poultry * Cook mushrooms and shellfish * Cook foods containing cheese and eggs 	80%	720W
MEDIUM	<ul style="list-style-type: none"> * Bake cakes and scones * Prepare eggs * Cook custard * Prepare rice, soup 	60%	540W
DEFROST/ MEDIUM LOW	<ul style="list-style-type: none"> * All thawing * Melt butter and chocolate * Cook less tender cuts of meat 	40%	360W
LOW	<ul style="list-style-type: none"> * Soften butter & cheese * Soften ice cream * Raise yeast dough 	20%	180W



Two stage Cooking

In the following example I will show you how to cook some food in two stages. The first stage will cook your food for 11 minutes on HIGH; the second will cook for 35 minutes on 40%.



During two stage cooking the oven door can be opened and food checked. Close the oven door and press **START** and the cooking stage will continue.

At the end of stage1, BEEP sounds and stage 2 commences.

Should you wish to clear the programme press **STOP/ CLEAR** twice.

Press **STOP/ CLEAR**



Set the power and the cooking time for **stage1**.

Press **POWER** once to select HIGH power.

Press **10 MIN** once.

Press **1 MIN** once.



Set the power and the cooking time for **stage2**.

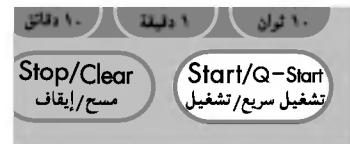
Press **POWER** four times to select 40% power.

Press **10 MIN** three times.

Press **1 MIN** five times.



Press **START**



Quick Start

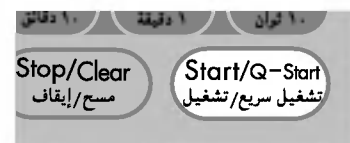
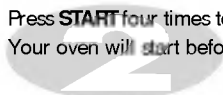
In the following example I will show you how to set 2 minutes of cooking on high power.



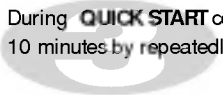
The **QUICK START** feature allows you to set 30 seconds intervals of HIGH power cooking with a touch of the **START** key.



Press **START** four times to select 2 minutes on HIGH power.
Your oven will start before you have finished the fourth press.



During **QUICK START** cooking, you can extend the cooking time up to 10 minutes by repeatedly pressing the **START** key.



More (▲) or Less (▼) Cooking

In the following example I will show you how to change the preset AUTO COOK programmes for a longer or shorter cooking time.



If you find that your food is over or undercooked when using the ARABIAN MENU programme, you can increase or decrease cooking time by pressing the ▲/▼ key.

When cooking with auto and manual function, you can lengthen or shorten the cooking time at any point by pressing the ▲/▼ key.

There is no need to stop the cooking process.

Press **STOP CLEAR**.



Set the required **AUTO COOK** programme.

Select **weight** of food.

Press **START**.



Press **MORE (▲)**.

The cooking time will increase by **10** seconds for each press of the key.

Press **LESS (▼)**.

The cooking time will decrease by **10** seconds for each press of the key.



Auto Defrost

The temperature and density of food varies, I would recommend that the food is checked before cooking commences. Pay particular attention to large joints of meat and chicken, some foods should not be completely thawed before cooking. For example fish cooks so quickly that it is sometimes better to begin cooking while still slightly frozen. The BREAD programme is suitable for defrosting small items such as rolls or a small loaf. These will require a standing time to allow the centre to thaw. In the following example I will show you how to defrost 1.4Kg of frozen poultry.



Your oven has four microwave defrost settings:- **MEAT**, **POULTRY**, **FISH** and **BREAD**; each defrost category has different power settings. Repeated presses of the **DEFROST** key will select a different setting.

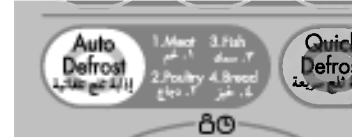
Category	Press	
	DEFROST	
MEAT	1	time
POULTRY	2	times
FISH	3	time
BREAD	4	times

Press **STOP/ CLEAR**.

Weight the food that you are about to defrost. Be certain to remove any metallic ties or wraps; then place the food in your oven and close the oven door.

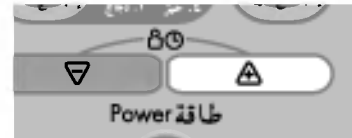


Press **AUTO DEFROST** twice to select the **POULTRY** defrosting programme. "dEF2" appears on the display window.



Enter the weight of the frozen food that you are about to defrost.

Press **▲** fourteen times to enter 1.4 kg.



Press **START**.



During defrosting your oven will "BEEP", at which point open the oven door, turn food over and separate to ensure even thawing. Remove any portions that have thawed or shield them to help slow down thawing. After checking close the oven door and press **START** to resume defrosting.

Your oven will not stop defrosting (even when the beep sounded) unless the door is opened.

AUTO DEFROST SEQUENCE LIST

SEQUENCE		FOOD	MIN./ MAX. FOOD
1. MEAT	Beef	Minced beef, Fillet steak, Cubes for stew, Sirloin steak, Pot roast, Rump roast, Beef burger.	0.1/ 4.0 kg
	Lamb	Chops(2.5 cm thick), Rolled roast.	
	Veal	Cutlets(450 g, 1.2 cm thick)	
2. POULTRY	Chicken	Whole(under 2 Kg), Cut up Breasts(boneless), Legs.	0.1/ 4.0 kg
	Turkey	Breasts(under 2.5 Kg)	
3. FISH	Fish	Fillets, Steaks, Whole	0.1/ 4.0 kg
	Shellfish	Crabmeat, Lobster tails, Shrimp, Scallops	
4. BREAD		Sliced brown/ white bread, White/ brown rolls, French stick, Baguette, Croissant	0.1/ 0.5 kg

* The benefit of this Auto Defrost feature is automatic setting and control of defrosting, but just like conventional defrosting you must check the food during the defrosting time.

* For best results, remove fish, shellfish, meat and poultry from its original paper or plastic package(wrapper). Otherwise, the wrap will hold steam and juice close to the food which can cause the outer surface of the food to cook.

* Place foods in a shallow glass baking dish to catch drippings.

* Food should still be some what icy in the centre when removed from the oven.

* When it is difficult to remove the wrap from the food, defrost the wrapped food for about a quarter of the total defrost time, which is displayed at the beginning of the defrost cycle. Then remove the food from the oven and remove the wrap from the food.

* Sliced bread should be placed between sheets of kitchen towel and bread rolls should be cut in half before defrosting.

* At the end of defrosting, allow to stand until completely thawed.

For example, joints of meat and whole chickens should STAND for 30 minutes before cooking.



Use this function to thaw only 0.5kg of Minced meat very quickly.
This will require a standing time to allow the center to thaw. In the following example will show you how to defrost 0.5kg of frozen meat.

Quick Defrost



Press **STOP/ CLEAR**.

Weight the food that you are about to defrost. Be certain to remove any metallic ties or wraps; then place the food in your oven and close the oven door.



Press **QUICK DEFROST** once.

(Put the 0.5kg of Meat.)

The oven will start automatically.



During **defrosting** your oven will “BEEP”, at which point open the oven door, turn food over and separate to ensure **even thawing**. Remove any portions that have thawed or shield them to help slow down thawing. After checking **close the** oven door and press **START** to resume defrosting.

Your oven will not stop defrosting (even when the beep sounded) unless the door is opened.

QUICK DEFROST GUIDE

Remove the meat completely from its wrapping. Place the mince onto a microwave-safe plate.

When beeps, at this point remove the mince from the microwave oven, turn the mince over and return to the microwave oven.

Press start to continue. At the end of the program remove the mince from the microwave oven, cover with foil and allow to stand 5-15 minutes or until completely thawed.

<i>Category</i>	<i>Weight</i>	<i>Utensil</i>	<i>Instructions</i>
Minced Meat	0.5 kg	Microwave ware (Flat plate)	Minced meat Turn food over at beep. After defrosting, let stand for 5-15 minutes.

Arabic Cook

In the following example I will show you how to cook kabsa.



ARABIC COOK allows you to cook most of your favorite food easily by selecting the food type. RICE, KABSA, UM-ALI, RICE-PUDDING are automatic menus. RICE require the weight of the food to be entered.

Press **STOP CLEAR**



From the **ARABIC COOK** select the required food type.
In this example press **KABSA** once.



The microwave oven starts automatically.



FOOD	INGREDIENTS	UTENSIL	INSTRUCTIONS															
RICE	<table border="1" data-bbox="312 161 644 294"> <tr> <td>Rice (long grain)</td> <td>100g</td> <td>200g</td> <td>300g</td> <td>400g</td> </tr> <tr> <td>Hot water</td> <td>300ml</td> <td>575ml</td> <td>800ml</td> <td>1000ml</td> </tr> <tr> <td>Salt</td> <td>5g</td> <td>5g</td> <td>10g</td> <td>10g</td> </tr> </table>	Rice (long grain)	100g	200g	300g	400g	Hot water	300ml	575ml	800ml	1000ml	Salt	5g	5g	10g	10g	Microwave-safe bowl	<ol style="list-style-type: none"> 1. Wash rice and drain. 2. Place rice, salt and hot water in a deep and large bowl. 3. No cover. Place in the oven. 4. When beep, stir. To obtain the better result, drain and refresh under cold water. And drain. Place in the oven. No cover. 5. Press the start to continue cooking. 6. After cooking, stand covered for 5 minutes
Rice (long grain)	100g	200g	300g	400g														
Hot water	300ml	575ml	800ml	1000ml														
Salt	5g	5g	10g	10g														
KABSA	<p>1 chicken cut in 6 to 8 pieces 300g rice 1 minced onion 2 chopped tomatoes 1 table spoon tomato paste 15g butter 1 tea spoon ground spice from each of : (black pepper, cumin, Cardamon) 1 1/2 table spoon salt or as desired 400ml boiling water (Serves 4-5)</p>	Microwave-safe bowl	<ol style="list-style-type: none"> 1. Wash chicken and rub with salt and flour, wash again. And then cut in 6 to 8 pieces. 2. Put chicken pieces, butter, onion, tomatoes, tomato paste, salt, spices and boiling water into a deep and large bowl. (about 3 l) 3. Cover with lid. Place the bowl in the oven and cook. 4. When beeps, the oven will stop. Remove the bowl from the oven and stir. Put the washed rice on the chicken. And continue cooking. 5. During the cooking, stir if required. 6. Serve in prepared plate. 															

FOOD	INGREDIENTS	UTENSIL	INSTRUCTIONS
UM-AU	300g ready made pastry (bake until golden and crispy, and then break crisp pastry into medium size pieces) 120g sugar 750ml whipping cream 250g milk 3 tablespoon corn starch 60g soaked raisins 60g chopped walnuts 60g chopped, roasted almonds 60g chopped, unsalted roasted pistachios (Serves 4-5)	Microwave- safe bowl	<ol style="list-style-type: none"> 1. Put sugar, cream, milk and starch in a deep and large bowl (about 3 l bowl). 2. Place the bowl in the center of the oven. 3. No cover. During the cooking, stir several times. 4. After cooking, add the medium sized crisp pastry into the mixture. And mix well. 5. Pour half the pastry mix in a suitable bowl, sprinkle half the raisins, walnuts, and almonds on it. Pour the other half of pastry mix, cover with cream level top and sprinkle pistachios, almonds, and raisins on top and serve hot.
RICE PUDDING	250g rice (small grain) 400ml water 400g sugar 600ml milk 2 tablespoon rose water $\frac{1}{2}$ teaspoon ground cardamom pistachio and almond slivers (Serves 4)	Microwave- safe bowl	<ol style="list-style-type: none"> 1. Clean and wash rice. 2. Pour water and rice into a deep and large bowl. 3. No cover. Place the bowl in the oven and cook. 4. When beep, the oven will stop. Remove the bowl from the oven and stir once. Add sugar, milk, cardamom and rosewater and then stir well. 5. Press start key to continue cooking. Stirring is required from time to time and being careful it doesn't stick, specially towards the end. 6. After cooking, pour into a bowl and leave it to cool. Serve well chilled and garnished with pistachio and almond slivers.

Auto Cook

In the following example I will show you how to cook 0.6kg of fresh vegetable.



AUTO COOK allows you to cook most of your favorite food easily by selecting the food type and entering the weight of the food.

Press **STOP CLEAR**



Press **AUTO COOK** button of the required food type.

In this example,

Press **FRESH VEGETABLE** five times to cook 0.6kg of Fresh Vegetable.



Press **START**



<i>FOOD</i>	<i>WBGHT LIMIT</i>	<i>UTENSILS</i>	<i>INSTRUCTIONS</i>
1. JACKET POTATO	0.1 kg ~ 1.0 kg	-	Choose medium sized potatoes 170 -200g. Wash and dry potatoes. Pierce the potatoes several times with fork. Place the potatoes on the glass turntable. Adjust weight and press start. [After cooking, remove the potatoes from the oven. Let stand covered with foil for 5 minutes.]
2. FRESH VEGETABLE	0.2 kg ~ 0.8 kg	Microwave-safe bowl	Place vegetables in a microwave-safe bowl. Add water. Cover with wrap. After cooking, stir and allow to stand for 3 minutes. Add amount of water according to the quantity. ** 0.2kg - 0.4kg : 2 Tablespoon ** 0.5kg - 0.8kg : 4 Tablespoon
3. FROZEN VEGETABLE	0.2 kg ~ 0.8 kg	Microwave-safe bowl	Place vegetables in a microwave-safe bowl. Add water. Cover with wrap. After cooking, stir and allow to stand for 2 minutes. Add amount of water according to the quantity. ** 0.2kg - 0.4kg : 2 Tablespoon ** 0.5kg - 0.8kg : 4 Tablespoon
4. CHILLED PIZZA	0.2 kg ~ 0.4 kg	Microwave-safe plate	This function is for reheating leftover chilled pizza. Place chilled pizza on the microwave-safe plate. After cooking, stand for 1 minute.

<i>FOOD</i>	<i>WBGHT LIMIT</i>	<i>UTENSILS</i>	<i>INSTRUCTIONS</i>										
5. FISH, FRESH	0.1 kg ~ 0.6 kg	Microwave-safe flan dish	<p>Whole fish, steaks</p> <ul style="list-style-type: none"> - Oily fish : salmon, mackerel - White fish : cod, haddock <p>Arrange in a single layer in a large microwave-safe flan dish. Cover dish tightly with plastic wrap and pierce in several places. Place on the glass turntable. Adjust weight and press start. After cooking, remove the dish from the oven. Allow to stand for 3 minutes before serving.</p>										
6. PASTA	0.1 kg ~ 0.3 kg	Microwave-safe bowl	<p>Place rice & boiling water with $\frac{1}{4}$ to 1 teaspoon salt in a deep and large bowl.</p> <table border="1" data-bbox="756 455 1318 530"> <tbody> <tr> <td>Pasta</td> <td>0.1kg</td> <td>0.2kg</td> <td>0.3kg</td> <td>Cover</td> </tr> <tr> <td>Boiling Water</td> <td>400ml</td> <td>800ml</td> <td>1200ml</td> <td>No</td> </tr> </tbody> </table> <p>During the cooking, stir several times. After cooking, stand for 1 or 2 minutes with cover. Rinse pasta with cold water.</p>	Pasta	0.1kg	0.2kg	0.3kg	Cover	Boiling Water	400ml	800ml	1200ml	No
Pasta	0.1kg	0.2kg	0.3kg	Cover									
Boiling Water	400ml	800ml	1200ml	No									

Timer

In the following example I will show you how to set the timer for 15 minutes.



Your oven also has a Timer that can be used for noncooking functions. When used as an independent timer, the oven is not running. The Timer is simply counting down in seconds.

Press **STOP CLEAR**.



Press **KITCHEN TIMER**.

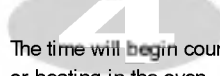


To enter amount of time you want to count down.

Press **10 MIN** once.
Press **1 MIN** five times.



Press **START**.



The time will **begin** counting down in the display window with no cooking or heating in the oven. **BEEP** will sound and the word “End” will show in the display window at the end of the countdown period.



Important safety instructions

Read carefully and keep for future reference

- 1 Do not attempt to tamper with, or make any adjustments or repairs to the door, control panel, safety interlock switches or any other part of the oven. It is hazardous for anyone to carry out any service or repair operation which involves the removal of any cover which gives protection against exposure to microwave energy. Repairs should only be undertaken by a qualified service technician.
- 2 Do not operate the oven when empty. It is best to leave a glass of water in the oven when not in use. The water will safely absorb all microwave energy, if the oven is accidentally started.
- 3 Do not dry clothes in the microwave oven, which may become carbonized or burned if heated too long.
- 4 Do not cook food wrapped in paper towels, unless your cook book contains instructions, for the food you are cooking.
- 5 Do not use newspaper in place of paper towels for cooking.
- 6 Do not use wooden containers. They may heat-up and char. Do not use ceramic containers which have metallic (e.g. gold or silver) inlays. Always remove metal twist ties. Metal objects in the oven may arc, which can cause serious damage.
- 7 Do not operate the oven with a kitchen towel, a napkin or any other obstruction between the door and the front edges of the oven, which may cause microwave energy leakage.
- 8 Do not use recycled paper products since they may contain impurities which may cause sparks and/ or fires when used in cooking.
- 9 Do not rinse the turntable by placing it in water just after cooking. This may cause breakage or damage.
- 10 Small amounts of food require shorter cooking or heating time. If normal times are allowed they may overheat and burn.
- 11 Be certain to place the oven so the front of the door is 8 cm or more behind the edge of the surface on which it is placed, to avoid accidental tipping of the appliance.
- 12 Before cooking, pierce the skin of potatoes, apples or any such fruit or vegetable.
- 13 Do not cook eggs in their shell. Pressure will build up inside the egg which will burst.
- 14 Do not attempt deep fat frying in your oven.
- 15 Remove the plastic wrapping from food before cooking or defrosting. Note though that in some cases food should be covered with plastic film, for heating or cooking.
- 16 If the oven door or door seals are damaged, the oven must not be operated until it has been repaired by a qualified service technician.
- 17 If smoke is observed, switch off or disconnect the oven from the power supply and keep the oven door closed in order to stifle any flames.
- 18 When food is heated or cooked in disposable containers of plastic, paper or other combustible materials, check the oven frequently due to the possibility of the food container is deteriorating.
- 19 Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use.
- 20 Liquids or other foods must not be heated in sealed containers since they are liable to explode.

WARNING

Please ensure cooking times are correctly set as over cooking may result in FIRE and subsequent DAMAGE to the OVEN.

Microwave-safe Utensils

Never use metal or metal trimmed utensils in your microwave oven

Microwaves cannot penetrate metal. They will bounce off any metal object in the oven and cause arcing, an alarming phenomenon that resembles lightning. Most heat resistant non metallic cooking utensils are safe for use in your microwave oven. However, some may contain materials that render them unsuitable as microwave cookware. If you have any doubts about a particular utensil, there's a simple way to find out if it can be used in your microwave oven.

Place the utensil in question next to a glass bowl filled with water in the microwave oven. Microwave at power HIGH for 1 minute. If the water heats up but the utensil remains cool to the touch, the utensil is microwave-safe. However, if the water does not change temperature but the utensil becomes warm, microwaves are being absorbed by the utensil and it is not safe for use in the microwave oven. You probably have many items on hand in your kitchen right now that can be used as cooking equipment in your microwave oven. Just read through the following checklist.

Dinner plates

Many kinds of dinner-ware are microwave-safe. If in doubt consult the manufacturer's literature or perform the microwave test.

Glassware

Glassware that is heat-resistant is microwave-safe. This would include all brands of oven tempered glass cookware. However, do not use delicate glassware, such as tumblers or wine glasses, as these might shatter as the food warms.

Plastic storage containers

These can be used to hold foods that are to be quickly reheated. However, they should not be used to hold foods that will need considerable time in the oven as hot foods will eventually warp or melt plastic containers.

Paper

Paper plates and containers are convenient and safe to use in your microwave oven, provided that the cooking time is short and foods to be cooked are low in fat and moisture. Paper towels are also very useful for wrapping foods and for lining baking trays in which greasy foods such as bacon are cooked. In general, avoid coloured paper products as the colour may run. Some recycled paper products may contain impurities which could cause arcing or fires when used in the microwave oven.

Plastic cooking bags

Provided they are made specially for cooking, cooking bags are microwave safe. However, be sure to make a slit in the bag so that steam can escape. Never use ordinary plastic bags for cooking in your microwave oven, as they will melt and rupture.

Plastic microwave cookware

A variety of shapes and sizes of microwave cookware are available. For the most part, you can probably use items you already have on hand rather than investing in new kitchen equipment.

Pottery, stoneware and ceramic

Containers made of these materials are usually fine for use in your microwave oven, but they should be tested to be sure.

CAUTION

Some items with high lead or iron content are not suitable for cooking utensils.

Utensils should be checked to ensure that they are suitable for use in microwave ovens.

Food characteristics & Microwave cooking

Keeping an eye on things

The recipes in the book have been formulated with great care, but your success in preparing them depends on how much attention you pay to the food as it cooks. Always watch your food while it cooks. Your microwave oven is equipped with a light that turns on automatically when the oven is in operation so that you can see inside and check the progress of your food. Directions given in recipes to elevate, stir, and the like should be thought of as the minimum steps recommended. If the food seems to be cooking unevenly, simply make the necessary adjustments you think appropriate to correct the problem.

Factors affecting microwave cooking times

Many factors affect cooking times. The temperature of ingredients used in a recipe makes a big difference in cooking times. For example, a cake made with ice-cold butter, milk, and eggs will take considerably longer to bake than one made with ingredients that are at room temperature. All of the recipes in this book give a range of cooking times. In general, you will find that the food remains under-cooked at the lower end of the time range, and you may sometimes want to cook your food beyond the maximum time given, according to personal preference. The governing philosophy of this book is that it is best for a recipe to be conservative in giving cooking times. While overcooked food is ruined for good. Some of the recipes, particularly those for bread, cake, and custards, recommend that food be removed from the oven when they are slightly undercooked. This is not a mistake. When allowed to stand, usually covered, these foods will continue to cook outside of the oven as the heat trapped within the outer portions of the food gradually travels inward. If the food is left in the oven until it is cooked all the way through, the outer portions will become overcooked or even burnt. You will become increasingly skilful in estimating both cooking and standing times for various foods.

Density of food

Light, porous food such as cakes and breads cook more quickly than heavy, dense foods such as roasts and casseroles. You must take care when microwaving porous food that the outer edges do not become dry and brittle.

Height of food

The upper portion of tall food, particularly roasts, will cook more quickly than the lower portion. Therefore, it is wise to turn tall food during cooking, sometimes several times.

Moisture content of food

Since the heat generated from microwaves tends to evaporate moisture, relatively dry food such as roasts and some vegetables should either be sprinkled with water prior to cooking or covered to retain moisture.

Bone and fat content of food

Bones conduct heat and fat cooks more quickly than meat. Care must be taken when cooking bony or fatty cuts of meat that they do not cook unevenly and do not become overcooked.

Quantity of food

The number of microwaves in your oven remains constant regardless of how much food is being cooked. Therefore, the more food you place in the oven, the longer the cooking time. Remember to decrease cooking times by at least one third when halving a recipe.

Shape of food

Microwaves penetrate only about 2 cm into food, the interior portion of thick foods are cooked as the heat generated on the outside travels inward. Only the outer edge of food is cooked by microwave energy; the rest is cooked by conduction. The worst possible shape for a food that is to be microwaved is a thick square. The corners will burn long before the centre is even warm. Round thin foods and ring shaped foods cook successfully in the microwave.

Covering

A cover traps heat and steam which causes food to cook more quickly. Use a lid or microwave cling film with a corner folded back to prevent splitting.

Browning

Meats and poultry that are cooked fifteen minutes or longer will brown lightly in their own fat. Food that are cooked for a shorter period of time may be brushed with a browning sauce such as worcestershire sauce, soy sauce or barbecue sauce to achieve an appetizing colour. Since relatively small amounts of browning sauces are added to food the original flavor of the recipe is not altered.

Covering with greaseproof paper

Greaseproofing effectively prevents spattering and helps food retain some heat. But because it makes a looser cover than a lid or clingfilm, it allows the food to dry out slightly.

Arranging and spacing

Individual foods such as baked potatoes, small cakes and hors d'oeuvres will heat more evenly if placed in the oven an equal distance apart, preferably in a circular pattern. Never stack foods on top of one another.

Food characteristics & Microwave cooking.

Stirring

Stirring is one of the most important of all microwaving techniques. In conventional cooking, food is stirred for the purpose of blending. Microwaved food, however, is stirred in order to spread and redistribute heat. Always stir from the outside towards the centre as the outside of the food heats first.

Turning over

Large, tall foods such as roasts and whole chickens should be turned so that the top and bottom will cook evenly. It is also a good idea to turn cut up chicken and chops.

Placing thicker portions facing outwards

Since microwaves are attracted to the outside portion of food, it makes sense to place thicker portions of meat, poultry and fish to the outer edge of the baking dish. This way, thicker portions will receive the most microwave energy and the food will cook evenly.

Shielding

Strips of aluminum foil (which block microwaves) can be placed over the corners or edges of square and rectangular foods to prevent those portions from overcooking. Never use too much foil and make sure the foil is secured to the dish or it may cause 'arcing' in the oven.

Elevating

Thick or dense foods can be elevated so that microwaves can be absorbed by the underside and centre of the foods.

Piercing

Foods enclosed in a shell, skin or membrane are likely to burst in the oven unless they are pierced prior to cooking. Such foods include yolks and whites of eggs, clams and oysters and whole vegetables and fruits.

Testing if cooked

Food cooks so quickly in a microwave oven, it is necessary to test it frequently. Some foods are left in the microwave until completely cooked, but most foods, including meats and poultry, are removed from the oven while still slightly undercooked and allowed to finish cooking during standing time. The internal temperature of foods will rise between 5°F (3°C) and 15°F (8°C) during standing time.

Standing time

Foods are often allowed to stand for 3 to 10 minutes after being removed from the microwave oven. Usually the foods are covered during standing time to retain heat unless they are supposed to be dry in texture (some cakes and biscuits, for example). Standing allows foods to finish cooking and also helps flavor blend and develop.

To Clean Your Oven

1 Keep the inside of the oven clean

Your microwave oven has a stainless steel interior. Unlike painted steel interiors found in most other microwave ovens, the surface will not chip, rust, or corrode. Over time, stains can occur on the stainless steel surface as the result of food products splattering during cooking. This is normal.

Do not use metal scouring pads on the inside of oven cavity. They will scratch the surface.

For interior surfaces: Wash often with warm, sudsy water and a sponge or soft cloth. Use only mild, non-abrasive soaps or a mild detergent. **Be sure to keep the areas clean where the door and oven frame touch when closed.** Wipe well with clean water. Over time, stains can occur on the surfaces as the result of food particles spattering during cooking. This is normal.

For stubborn soil, **boil** a cup (250 mL) of water in the oven for 2 or 3 minutes. Steam will soften the soil. To get rid of odors inside the oven, **boil** a cup (250 mL) of water with lemon juice or vinegar.

2 Keep the outside of the oven clean

Clean the outside of your oven with soap and water then with clean water and dry with a soft cloth or paper towel. To prevent damage to the operating parts inside the oven, the water should not be allowed to seep into the ventilation openings. To clean control panel, open the door to prevent oven from accidentally starting, and wipe a damp cloth followed immediately by a dry cloth. Press STOP/CLEAR after cleaning.

- 3 If steam accumulates inside or around the outside of the oven door, wipe the panels with a soft cloth. This may occur when the microwave oven is operated under high humidity conditions and in no way indicates a malfunction of the unit.
- 4 The door and door seals should be kept clean. Use only warm, soapy water, rinse then dry thoroughly.
DO NOT USE ABRASIVE MATERIALS, SUCH AS CLEANING POWDERS OR STEEL AND PLASTIC PADS.
Metal parts will be easier to maintain if wiped frequently with a damp cloth.

Questions & Answers

Q What's wrong when the oven light will not glow?

- A There may be several reasons why the oven light will not glow.
Light bulb has blown
Door is not closed

Q Does microwave energy pass through the viewing screen in the door?

- A No. The holes, or ports, are made to allow light to pass; they do not let microwave energy through.

Q Why does the beep tone sound when a pad on the Control Panel is touched?

- A The beep tone sounds to assure that the setting is being properly entered.

Q Will the microwave oven be damaged if it operates empty?

- A Yes Never run it empty or without the glass tray.

Q Why do eggs sometimes pop?

- A When baking, frying, or poaching eggs, the yolk may pop due to steam build up inside the yolk membrane. To prevent this, simply pierce the yolk before cooking. Never microwave eggs in the shell.

Q Why is standing time recommended after microwave cooking is over?

- A After microwave cooking is finished, food keeps on cooking during standing time. This standing time finishes cooking evenly throughout the food. The amount of standing time depends on the density of the food.

Q Is it possible to pop corn in a microwave oven?

- A Yes, if using one of the two methods described below
1 Popcorn-popping utensils designed specifically for microwave cooking.
2 Prepackaged commercial microwave popcorn that contains specific times and power outputs needed for an acceptable final product.

FOLLOW EXACT DIRECTIONS GIVEN BY EACH MANUFACTURER FOR THEIR POPCORN PRODUCT. DO NOT LEAVE THE OVEN UNATTENDED WHILE THE CORN IS BEING POPPED. IF CORN FAILS TO POP AFTER THE SUGGESTED TIMES, DISCONTINUE COOKING. OVERCOOKING COULD RESULT IN THE CORN CATCHING FIRE.

CAUTION

NEVER USE A BROWN PAPER BAG FOR POPPING CORN. NEVER ATTEMPT TO POP LEFTOVER KERNELS.

Q Why doesn't my oven always cook as fast as the cooking guide says?

- A Check your cooking guide again to make sure you've followed directions correctly, and to see what might cause variations in cooking time. Cooking guide times and heat settings are suggestions, chosen to help prevent overcooking, the most common problem in getting used to a microwave oven. Variations in the size, shape, weight and dimensions of the food require longer cooking time. Use your own judgement along with the cooking guide suggestions to test food condition, just as you would do with a conventional cooker.

Plug wiring information/ Technical Specifications

Warning

This appliance must be earthed

The wires in this mains lead are colored in accordance with the following codes

BLUE ~ Neutral


BROWN ~ Live

GREEN & YELLOW ~ Earth

As the colors of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is colored BLUE must be connected to the terminal which is marked with the letter N or Colored BLACK.

The wire which is colored BROWN must be connected to the terminal which is marked with the letter L or colored RED.

The wire which is colored GREEN & YELLOW or GREEN must be connected to the terminal which is marked with the letter E or .

If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard;

Technical Specification

	MS-3942DPZ	MS-4842DPZ
Power Input	220 V ~ 50/ 60 Hz	
Output	1000 W (IEC60705 rating standard)	
Microwave Frequency	2450 MHz	
Outside Dimension	556 mm(W) X 320 mm(H) X 438 mm(D)	573 mm(W) X 344 mm(H) X 440 mm(D)
Power Consumption Microwave	1300 Watts	

	MS-3942DPB
Power Input	127 V ~ 60 Hz
Output	1000 W (IEC60705 rating standard)
Microwave Frequency	2450 MHz
Outside Dimension	556 mm(W) X 320 mm(H) X 438 mm(D)
Power Consumption Microwave	1400 Watts